

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\
 Data File : VX007421.D
 Acq On : 07 Feb 2019 13:23
 Operator : JC/SP
 Sample : K1404-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 08 22:08:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	528812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	816061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	758888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	364670	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	282699	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	5.50	113	260341	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	972032	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	341192	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

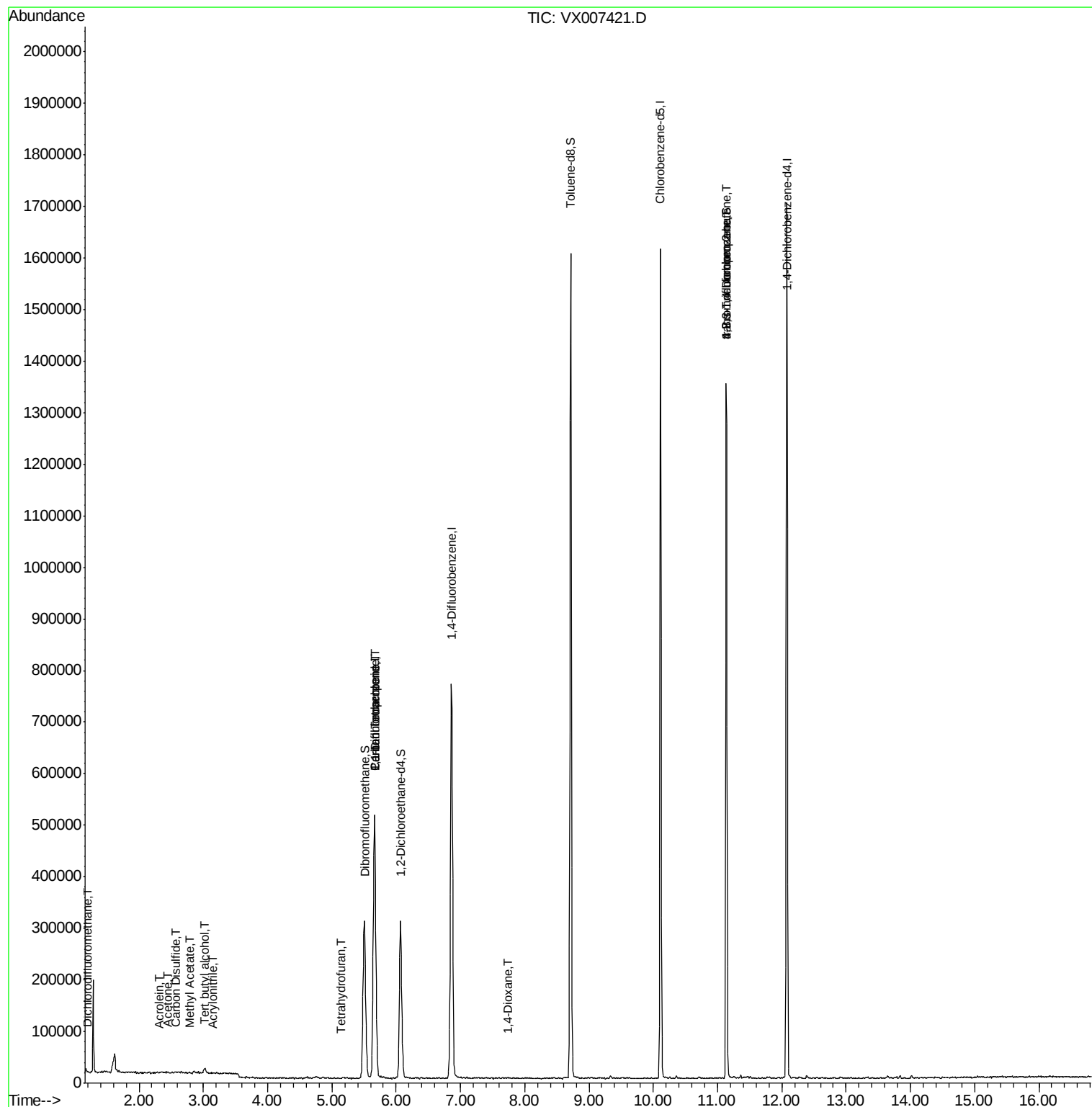
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	696	0.284	ug/l	100
5) Bromomethane	1.65	94	1290	Below Cal	#	67
11) Tert butyl alcohol	3.02	59	6408	5.517	ug/l #	85
13) Acrolein	2.31	56	150	0.275	ug/l #	14
15) Acrylonitrile	3.15	53	744	0.259	ug/l #	19
16) Acetone	2.45	43	3071	1.194	ug/l #	77
17) Carbon Disulfide	2.57	76	2615	2.311	ug/l #	81
18) Methyl Acetate	2.78	43	2330	0.937	ug/l #	78
20) Methylene Chloride	2.87	84	1894	Below Cal	#	65
29) Tetrahydrofuran	5.15	42	510	0.222	ug/l #	55
36) 1,1-Dichloropropene	5.66	75	33318	4.550	ug/l #	50
38) Carbon Tetrachloride	5.66	117	46890	6.601	ug/l #	17
49) 1,4-Dioxane	7.73	88	188	8.315	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	164401	23.177	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	164401	69.808	ug/l #	9

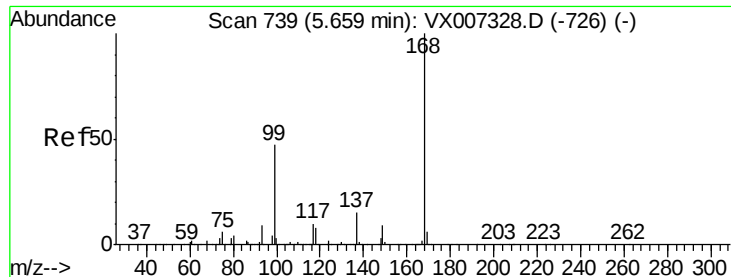
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

Instrument :

MSVOA_X

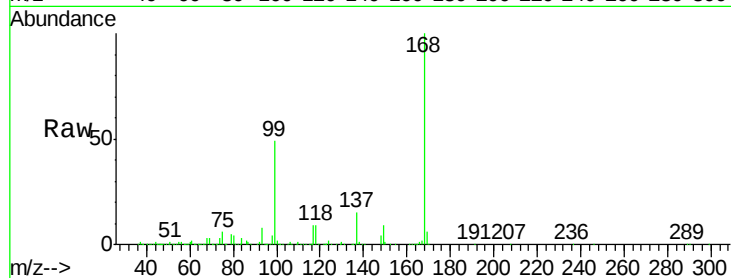
ClientSampleId :

Tot Ion:168 Resp: 528812

Ion Ratio Lower Upper

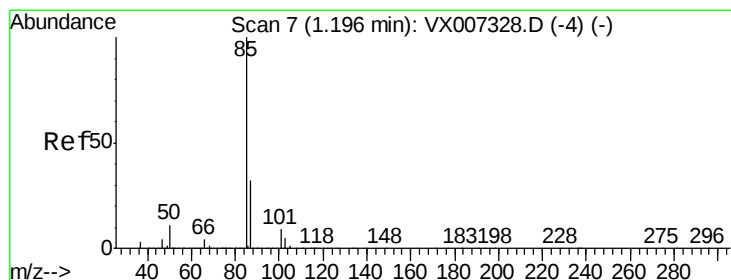
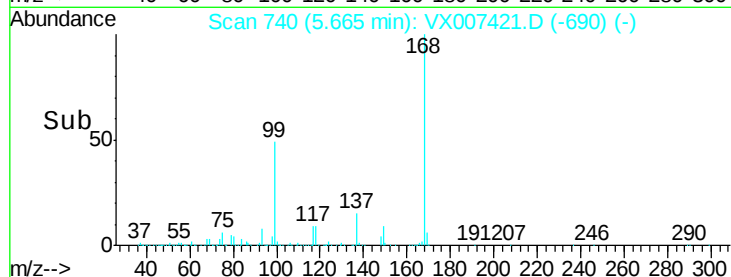
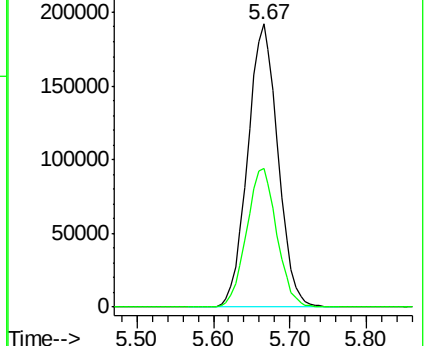
168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.284 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007421.D

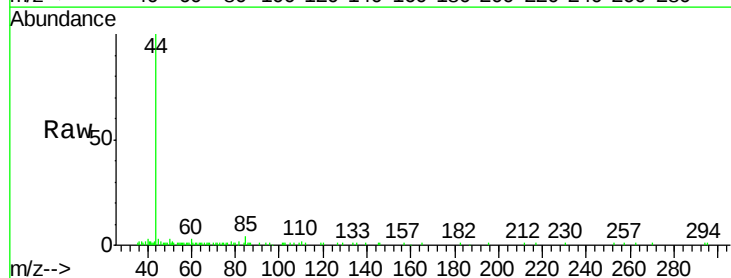
Acq: 07 Feb 2019 13:23

Tgt Ion: 85 Resp: 696

Ion Ratio Lower Upper

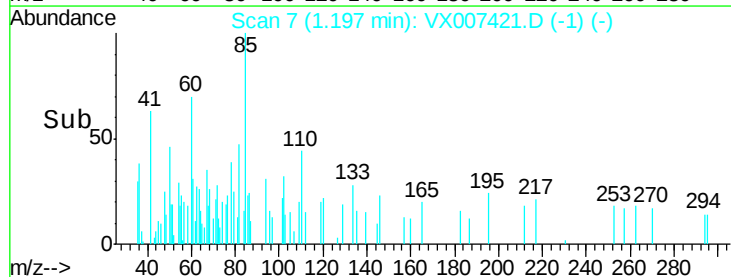
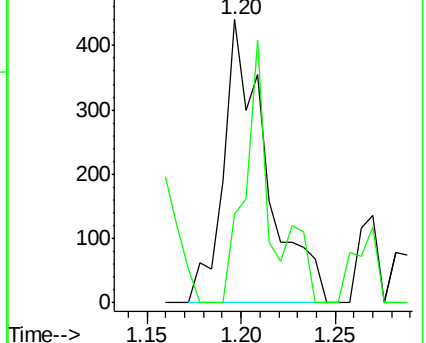
85 100

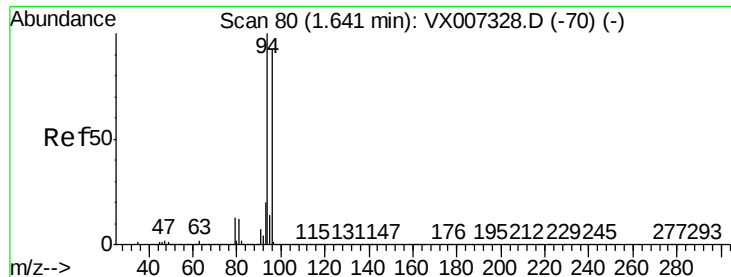
87 31.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

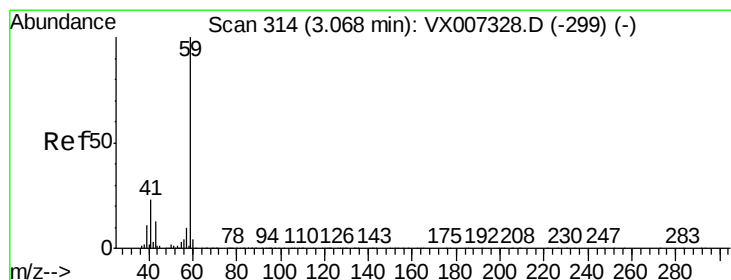
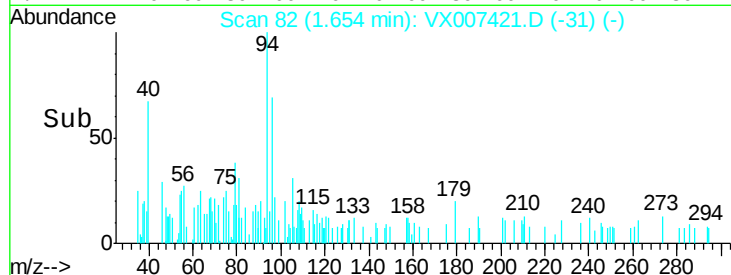
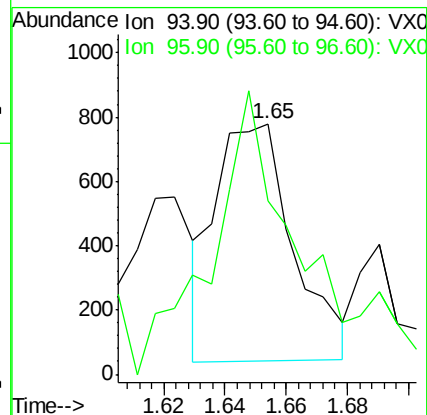
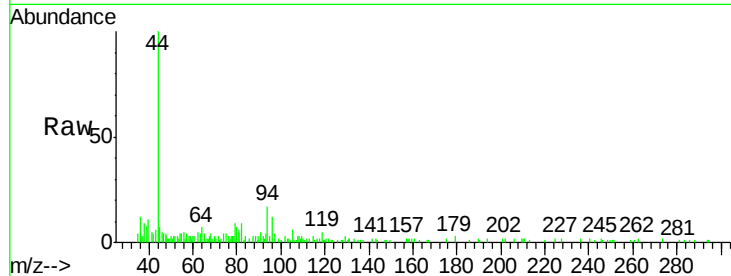
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 1290

Ion Ratio Lower Upper

94 100

96 60.9 73.9 110.9#



#11

Tert butyl alcohol

Concen: 5.517 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007421.D

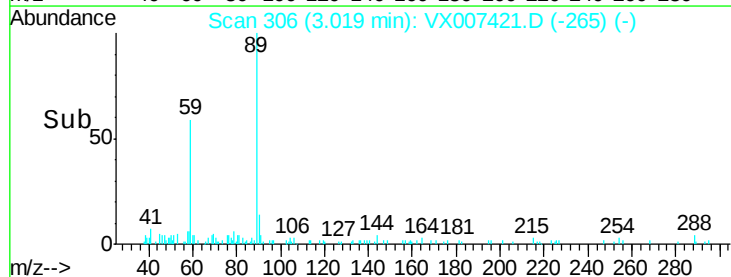
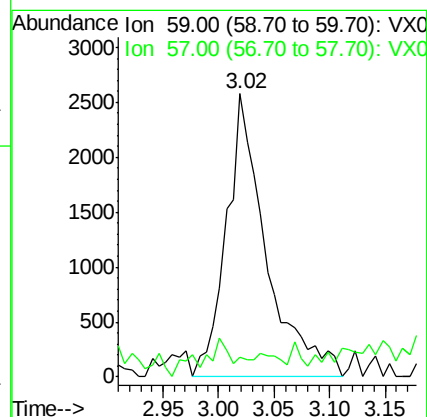
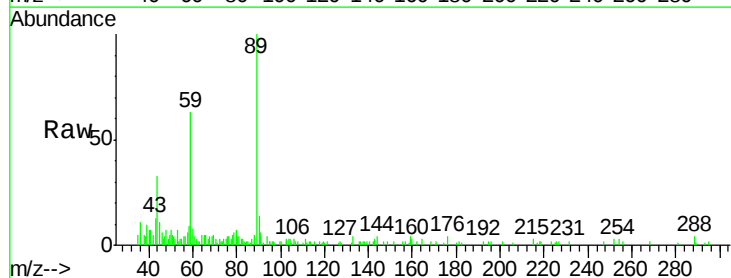
Acq: 07 Feb 2019 13:23

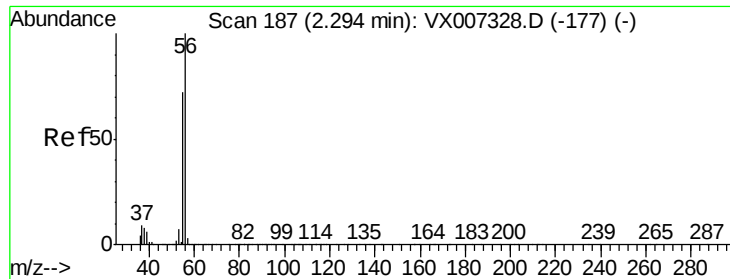
Tgt Ion: 59 Resp: 6408

Ion Ratio Lower Upper

59 100

57 4.4 8.1 12.1#





#13

Acrolein

Concen: 0.275 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

Instrument :

MSVOA_X

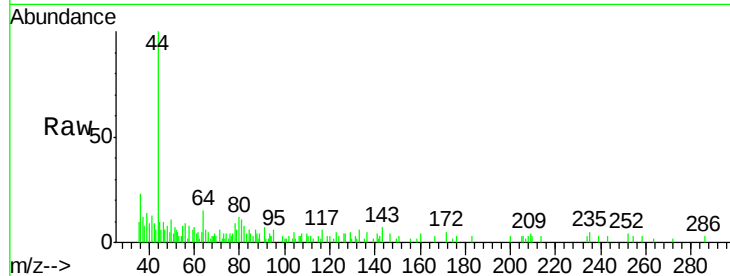
ClientSampled :

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

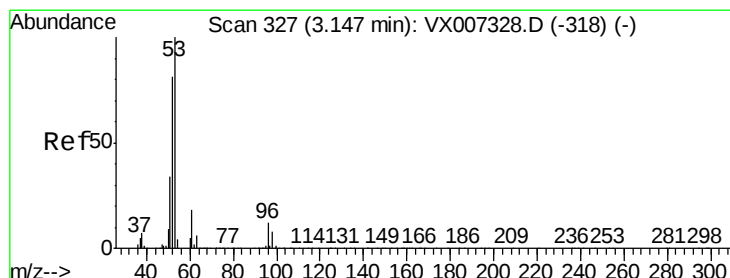
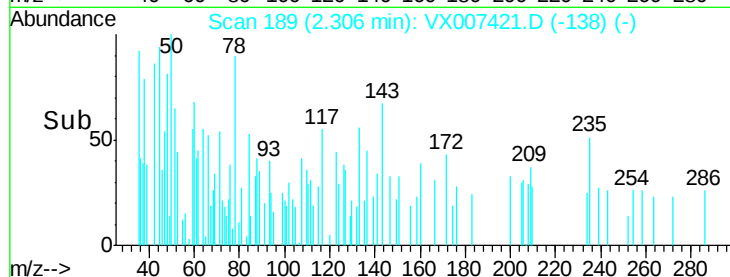
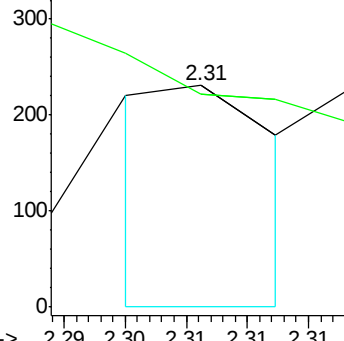
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.259 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

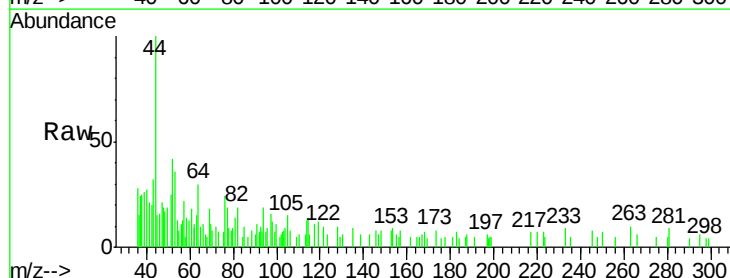
Tgt Ion: 53 Resp: 744

Ion Ratio Lower Upper

53 100

52 171.5 66.4 99.6#

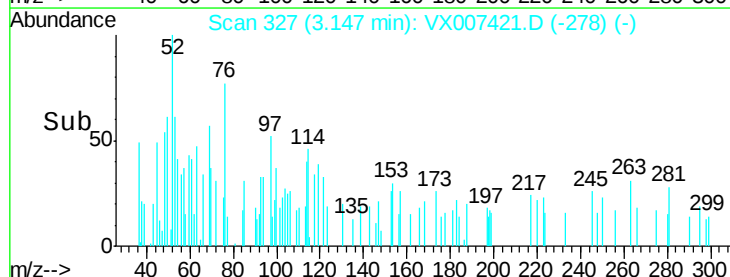
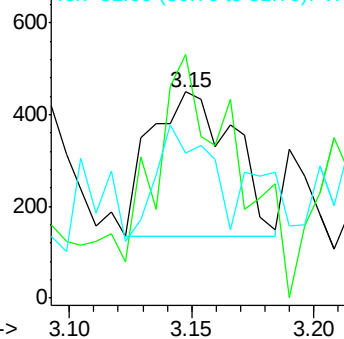
51 59.1 28.4 42.6#

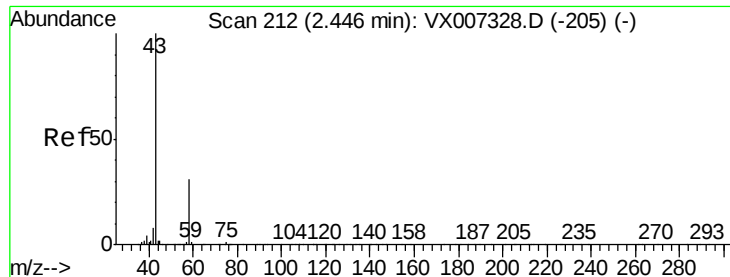


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.194 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

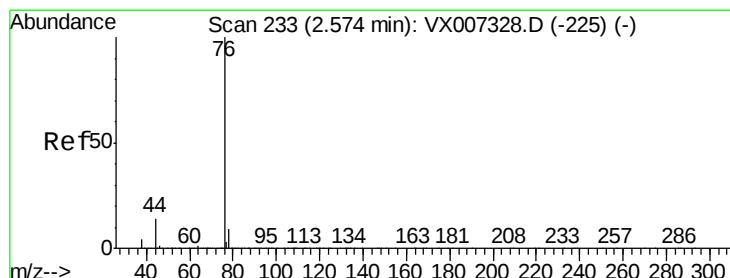
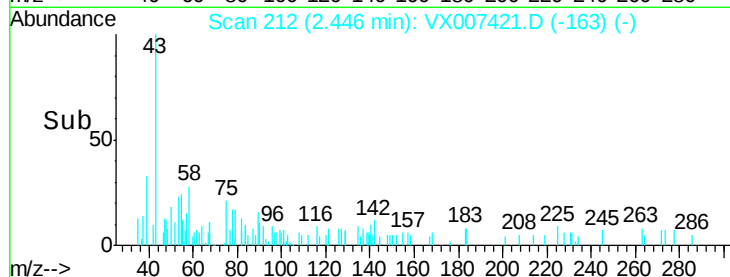
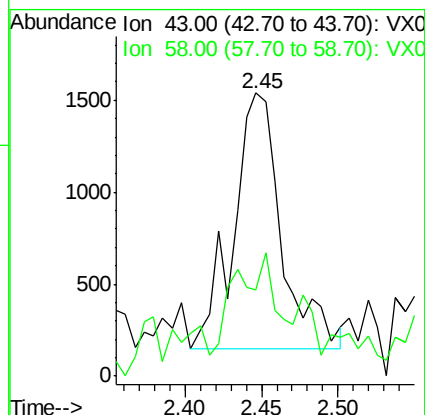
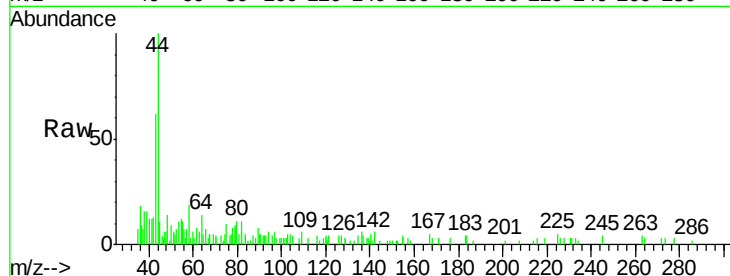
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 3071

Ion Ratio Lower Upper

43 100

58 18.7 24.9 37.3#



#17

Carbon Disulfide

Concen: 2.311 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007421.D

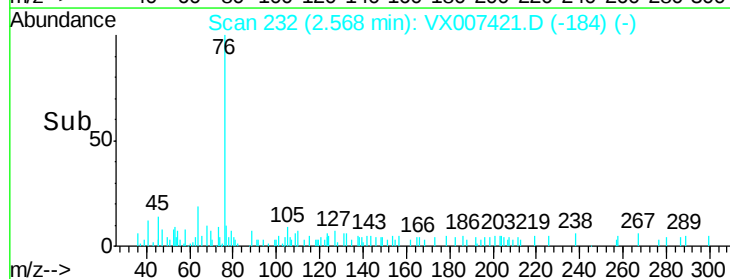
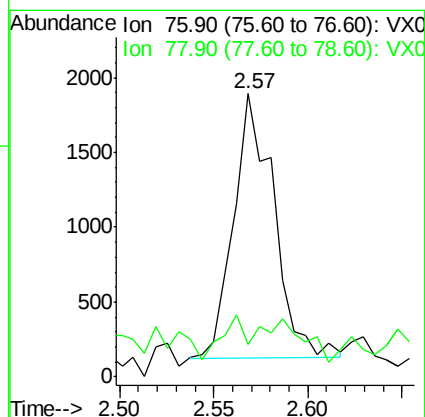
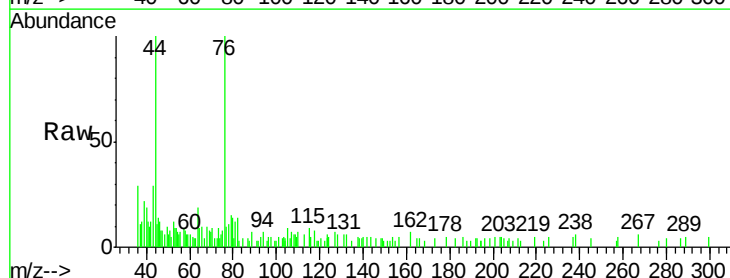
Acq: 07 Feb 2019 13:23

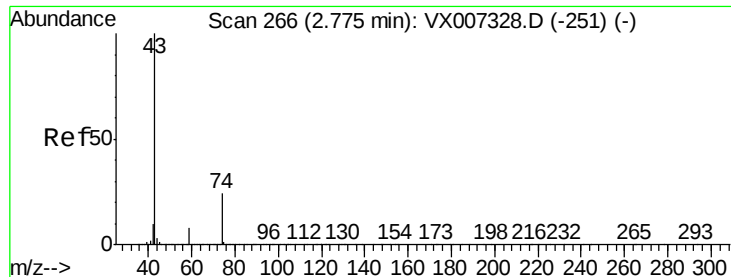
Tgt Ion: 76 Resp: 2615

Ion Ratio Lower Upper

76 100

78 2.0 7.1 10.7#

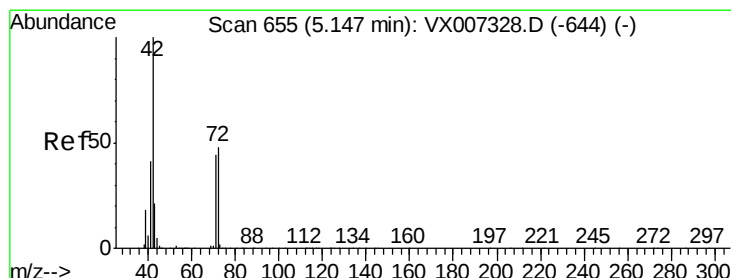
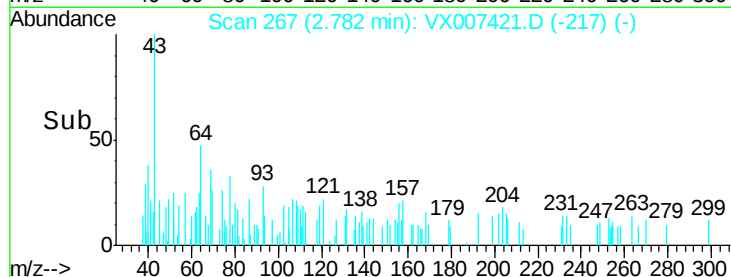
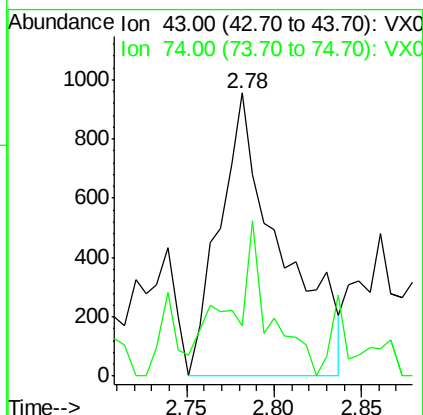
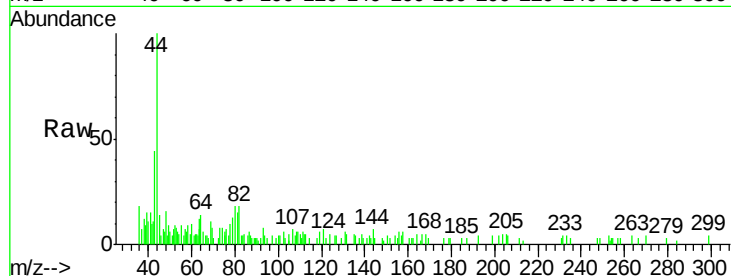




#18
Methyl Acetate
Concen: 0.937 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007421.D
Acq: 07 Feb 2019 13:23

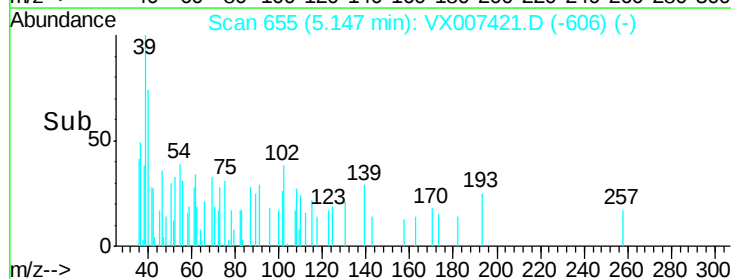
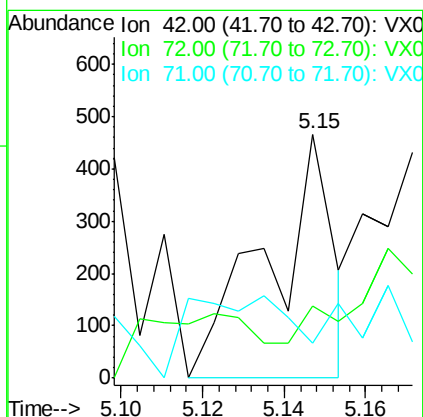
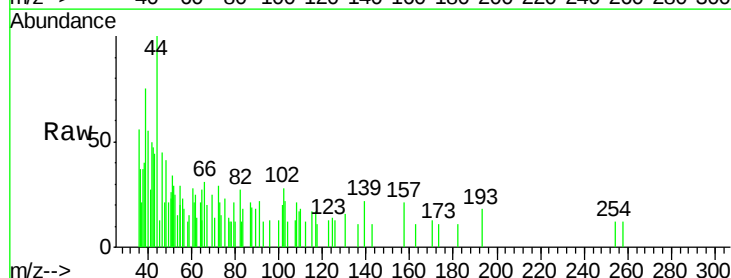
Instrument :
MSVOA_X
ClientSampled :

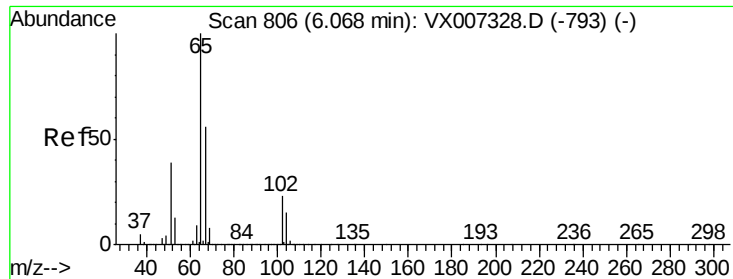
Tot Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
74 35.2 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.222 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007421.D
Acq: 07 Feb 2019 13:23

Tgt Ion: 42 Resp: 510
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 54.7 34.6 51.8#

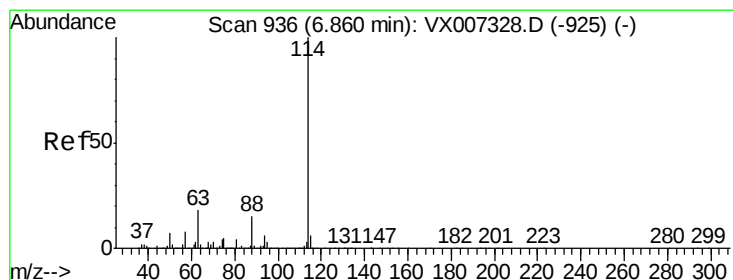
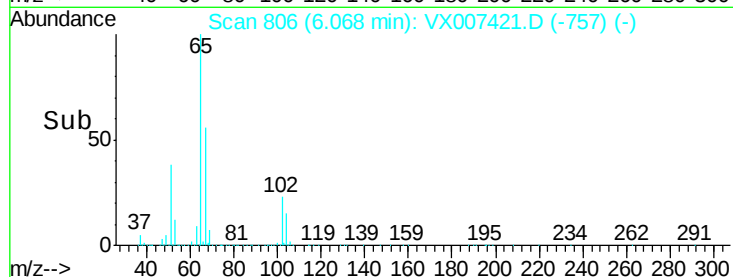
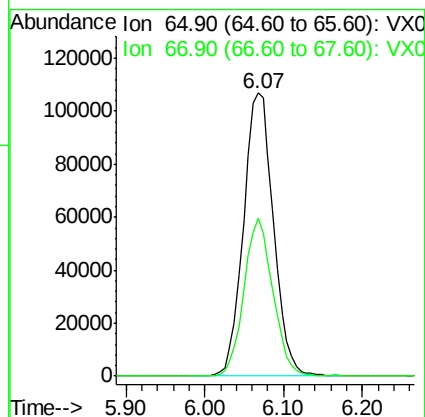
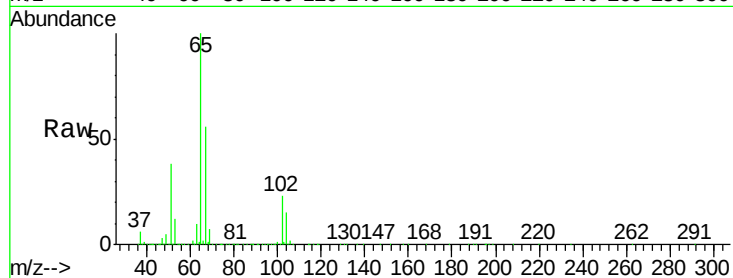




#33
 1,2-Dichloroethane-d4
 Concen: 50.366 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007421.D
 Acq: 07 Feb 2019 13:23

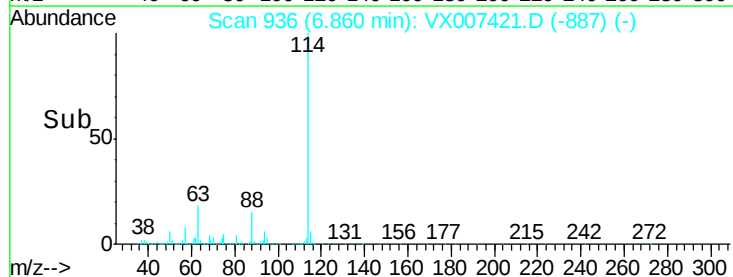
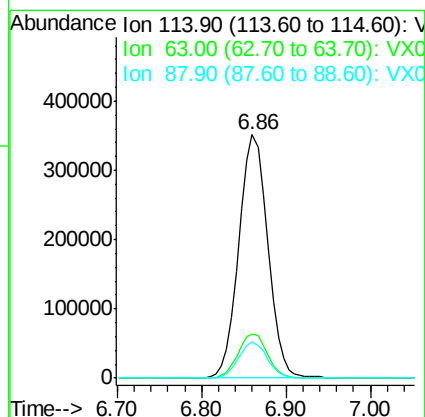
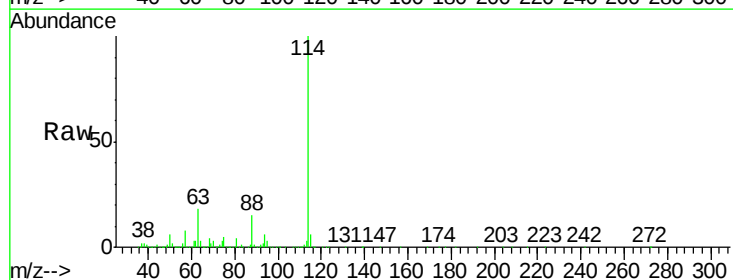
Instrument :
 MSVOA_X
 ClientSampleId :

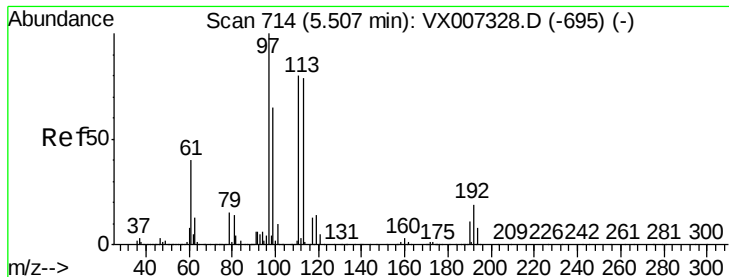
Tot Ion: 65 Resp: 282699
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007421.D
 Acq: 07 Feb 2019 13:23

Tgt Ion: 114 Resp: 816061
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.030 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

Instrument :
MSVOA_X
ClientSampleId :

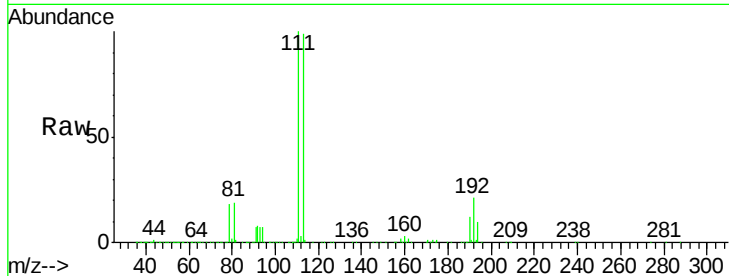
Tot Ion:113 Resp: 260341

Ion Ratio Lower Upper

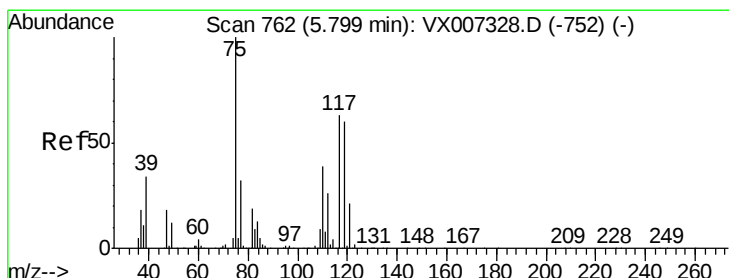
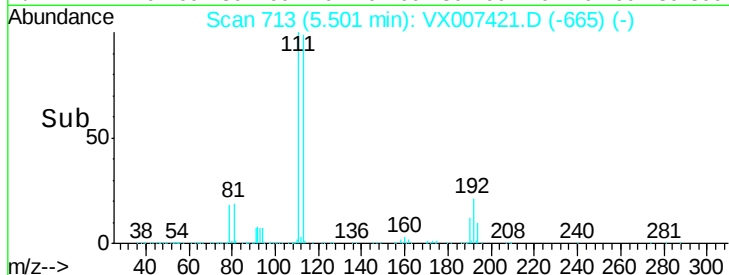
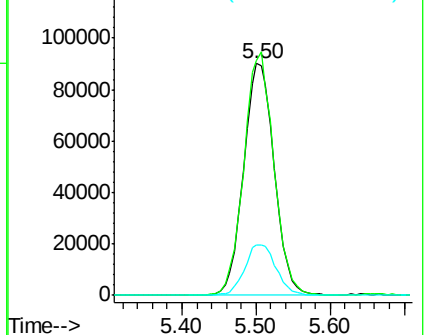
113 100

111 102.5 81.8 122.8

192 22.3 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

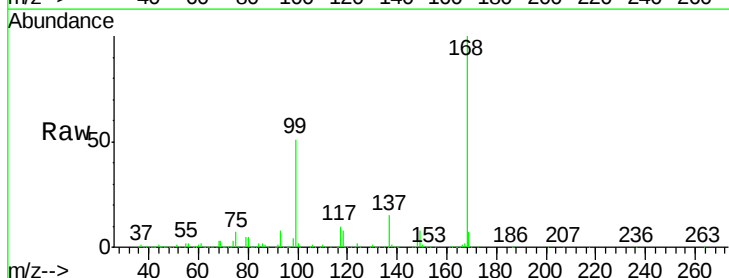
Tgt Ion: 75 Resp: 33318

Ion Ratio Lower Upper

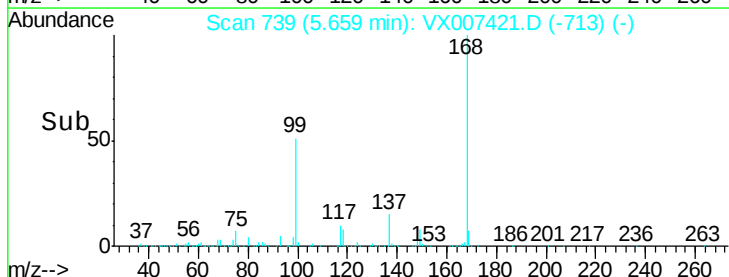
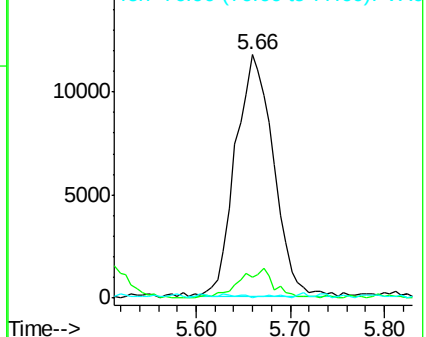
75 100

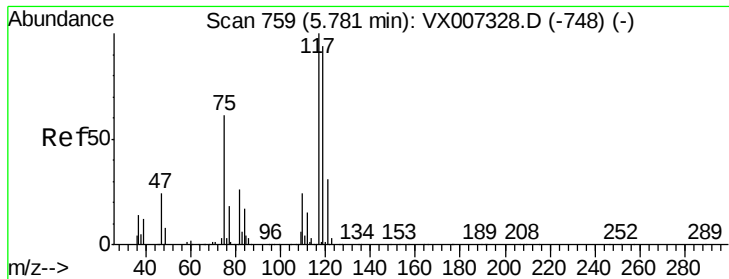
110 11.4 20.0 59.9#

77 0.7 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.601 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

Instrument :

MSVOA_X

ClientSampled :

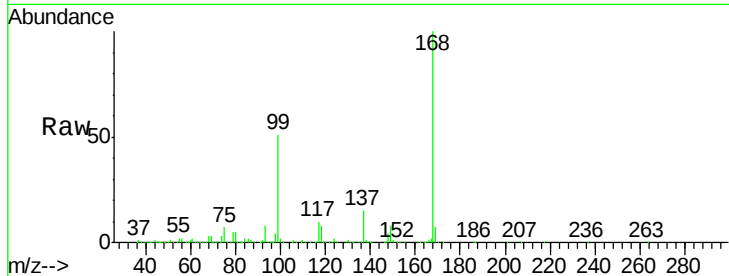
Tot Ion:117 Resp: 46890

Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

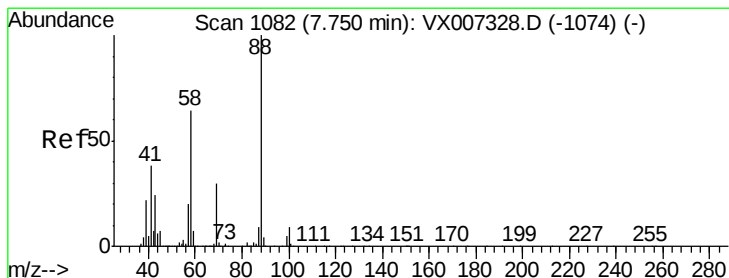
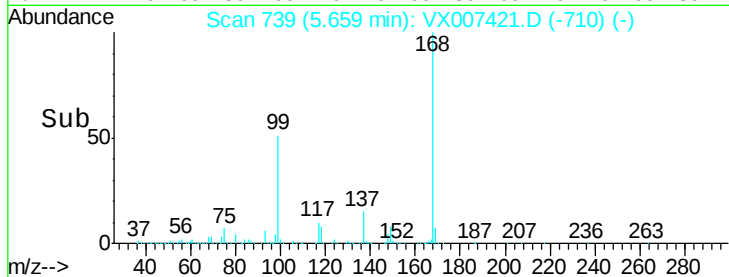
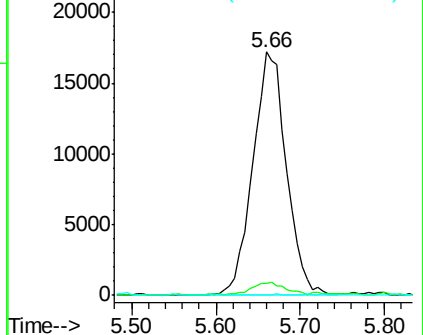
121 0.3 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 8.315 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

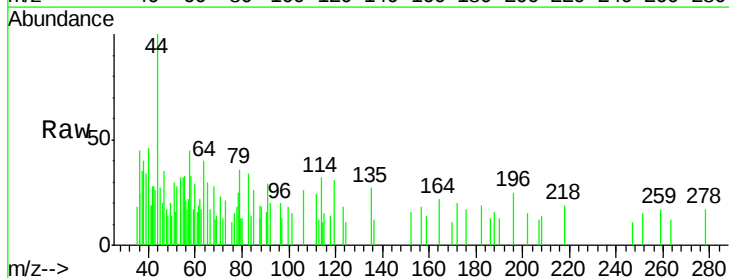
Tgt Ion: 88 Resp: 188

Ion Ratio Lower Upper

88 100

43 80.3 24.2 36.4#

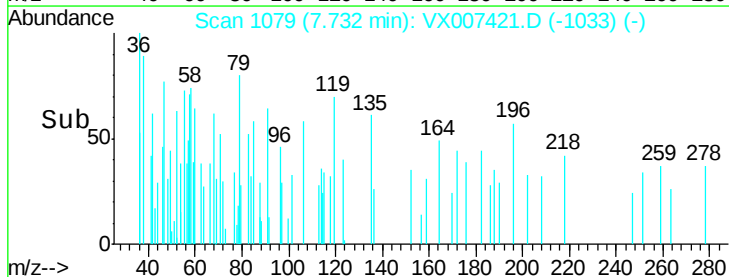
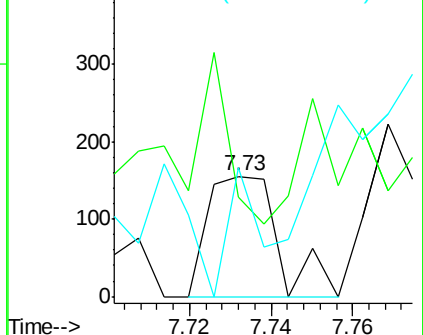
58 44.7 53.0 79.4#

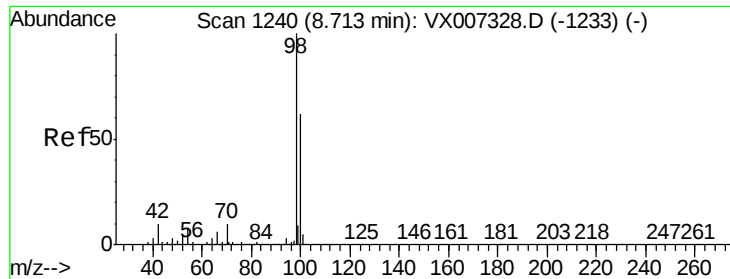


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.341 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

Instrument :

MSVOA_X

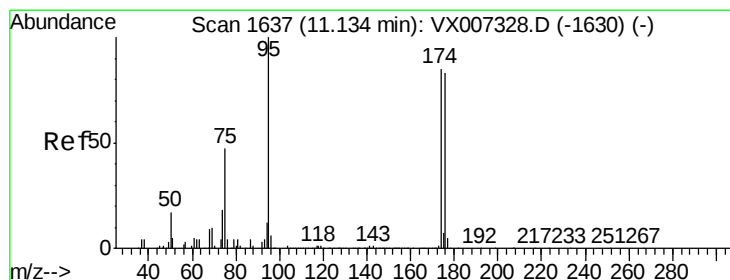
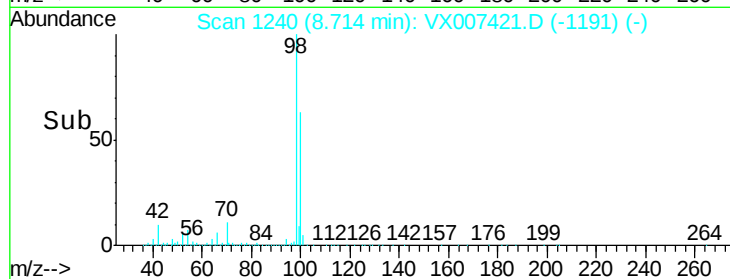
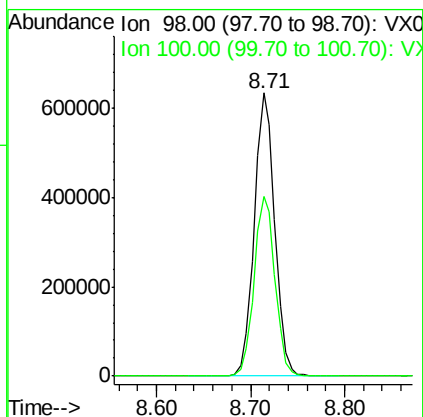
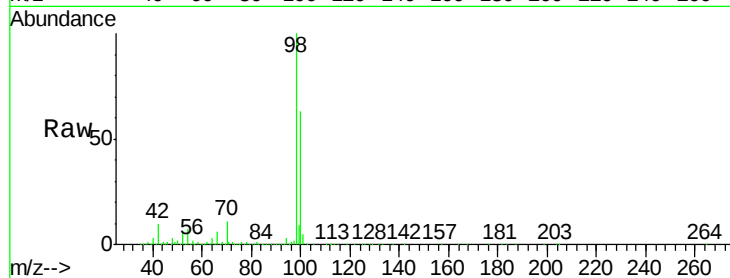
ClientSampleId :

Tot Ion: 98 Resp: 972032

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.436 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

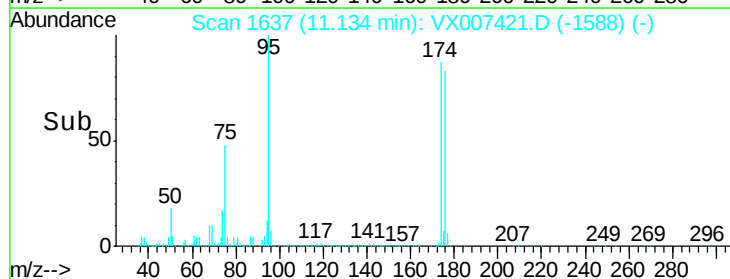
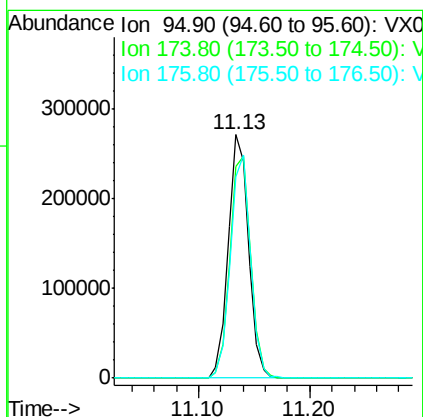
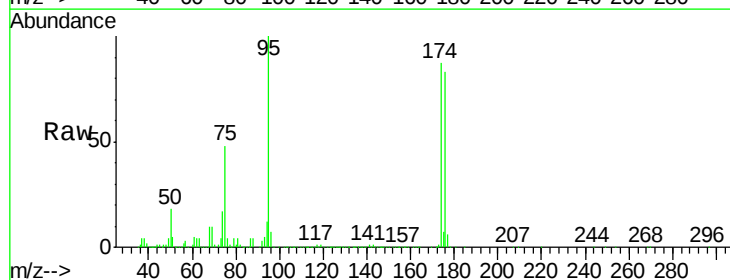
Tgt Ion: 95 Resp: 341192

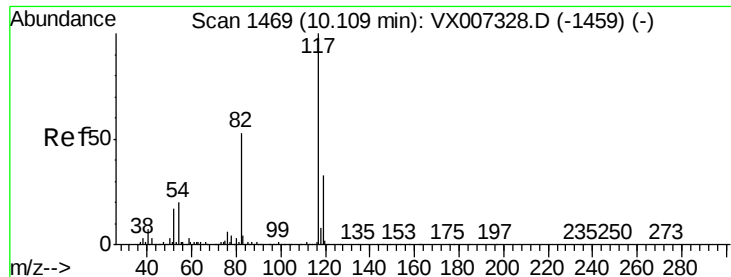
Ion Ratio Lower Upper

95 100

174 93.7 0.0 189.2

176 91.3 0.0 186.2

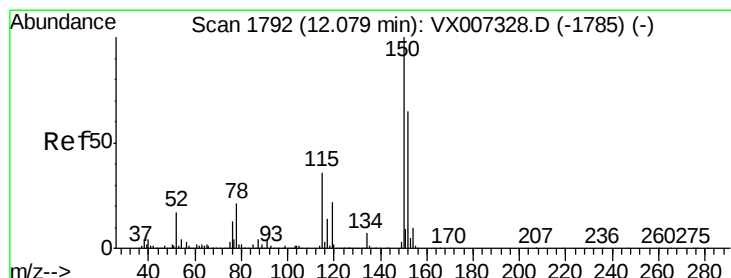
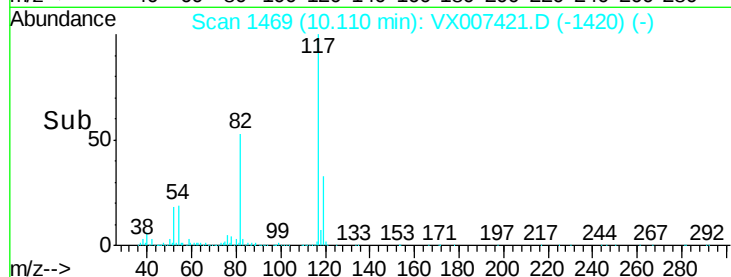
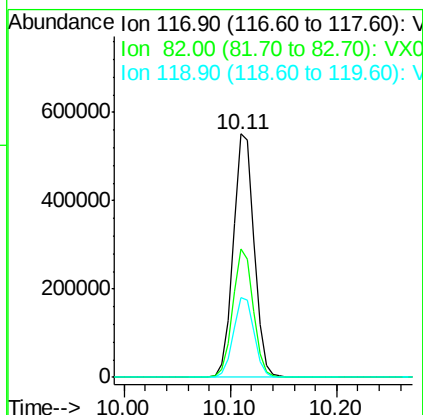
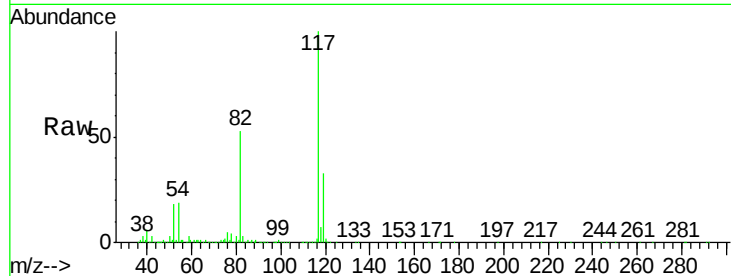




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007421.D
Acq: 07 Feb 2019 13:23

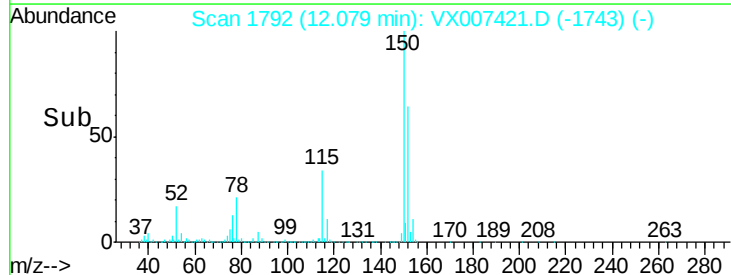
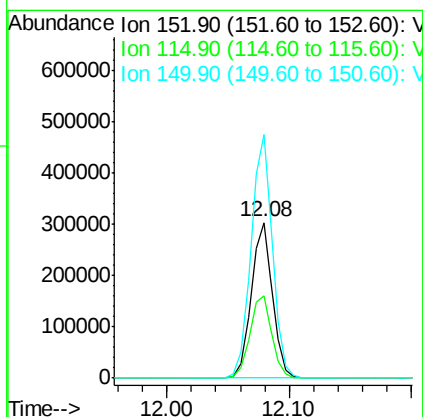
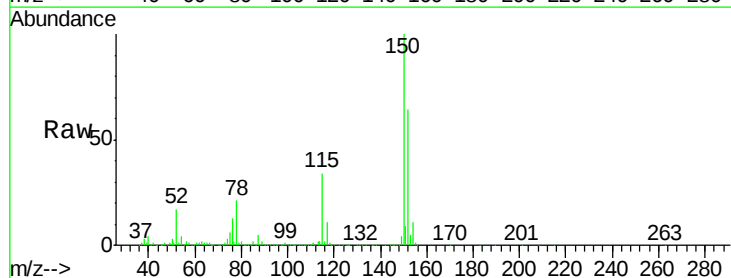
Instrument :
MSVOA_X
ClientSampleId :

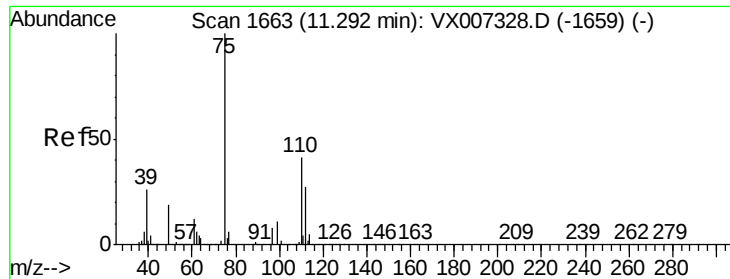
Tot Ion:117 Resp: 758888
Ion Ratio Lower Upper
117 100
82 52.7 42.1 63.1
119 32.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007421.D
Acq: 07 Feb 2019 13:23

Tgt Ion:152 Resp: 364670
Ion Ratio Lower Upper
152 100
115 55.1 38.0 114.0
150 158.2 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.177 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

Instrument :

MSVOA_X

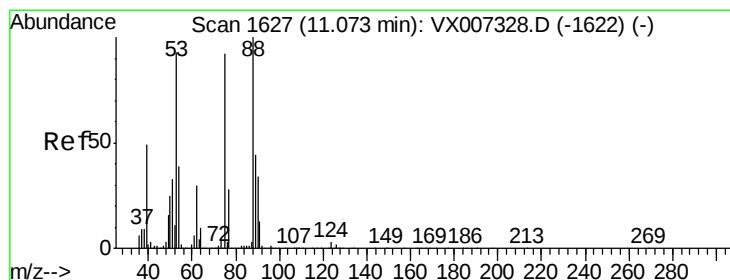
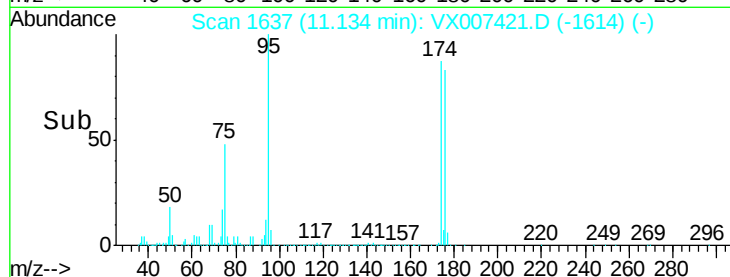
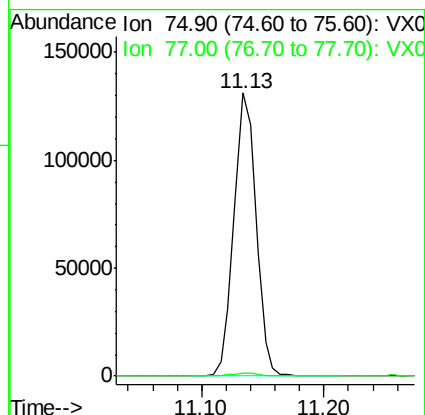
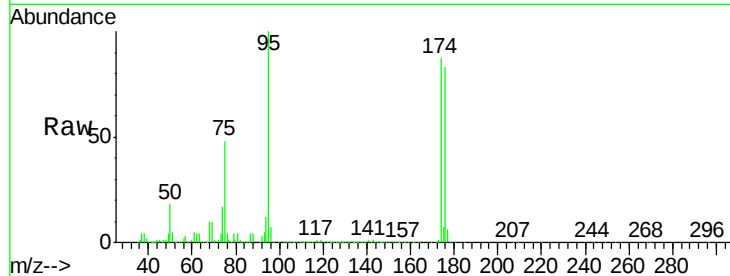
ClientSampleId :

Tot Ion: 75 Resp: 164401

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.808 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007421.D

Acq: 07 Feb 2019 13:23

Tgt Ion: 75 Resp: 164401

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#

